

## SEQUENCE LISTING

## (1) GENERAL INFORMATION:

- (i) APPLICANT: STROMINGER, JACK L.  
WUCHERPFENNIG, KAI
- (ii) TITLE OF INVENTION: IDENTIFICATION OF SELF AND NON-SELF  
ANTIGENS IMPLICATED IN AUTOIMMUNE DISEASE
- (iii) NUMBER OF SEQUENCES: 16
- (iv) CORRESPONDENCE ADDRESS:  
(A) ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.  
(B) STREET: 600 ATLANTIC AVENUE  
(C) CITY: BOSTON  
(D) STATE: MA  
(E) COUNTRY: USA  
(F) ZIP: 02210
- (v) COMPUTER READABLE FORM:  
(A) MEDIUM TYPE: Floppy disk  
(B) COMPUTER: IBM PC compatible  
(C) OPERATING SYSTEM: PC-DOS/MS-DOS  
(D) SOFTWARE: PatentIn Release #1.0, Version #1.25
- (vi) CURRENT APPLICATION DATA:  
(A) APPLICATION NUMBER:  
(B) FILING DATE:  
(C) CLASSIFICATION:
- (viii) ATTORNEY/AGENT INFORMATION:  
(A) NAME: TWOMEY, MICHAEL J.  
(B) REGISTRATION NUMBER: 38,349  
(C) REFERENCE/DOCKET NUMBER: H0498/7015
- (ix) TELECOMMUNICATION INFORMATION:  
(A) TELEPHONE: 617-720-3500  
(B) TELEFAX: 617-720-2441

## (2) INFORMATION FOR SEQ ID NO:1:

- (i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 15 amino acids

(B) TYPE: amino acid  
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide  
(iii) HYPOTHETICAL: NO

(v) FRAGMENT TYPE: internal

(vi) ORIGINAL SOURCE:  
(A) ORGANISM: HOMO SAPIENS

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

Ala Thr Gln Lys Ile Thr Tyr Arg Ile Ser Gly Val Gly Ile Asp  
1 5 10 15

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 15 amino acids  
(B) TYPE: amino acid  
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(iii) HYPOTHETICAL: NO

(v) FRAGMENT TYPE: internal

(vi) ORIGINAL SOURCE:  
(A) ORGANISM: HOMO SAPIENS

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

Phe Gly Ile Phe Val Val Asp Lys Asn Thr Gly Asp Ile Asn Ile  
1 5 10 15

(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 15 amino acids  
(B) TYPE: amino acid  
(D) TOPOLOGY: linear

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(ii) MOLECULE TYPE: peptide

(iii) HYPOTHETICAL: NO

(v) FRAGMENT TYPE: internal

(vi) ORIGINAL SOURCE:

(A) ORGANISM: HOMO SAPIENS

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

Leu Asn Ser Lys Ile Ala Phe Lys Ile Val Ser Gln Glu Pro Ala  
1 5 10 15

(2) INFORMATION FOR SEQ ID NO:4:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 15 amino acids

(B) TYPE: amino acid

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(iii) HYPOTHETICAL: NO

(v) FRAGMENT TYPE: internal

(vi) ORIGINAL SOURCE:

(A) ORGANISM: HOMO SAPIENS

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

Thr Pro Met Phe Leu Leu Ser Arg Asn Thr Gly Glu Val Arg Thr  
1 5 10 15

(2) INFORMATION FOR SEQ ID NO:5:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 15 amino acids

(B) TYPE: amino acid

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

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(iii) HYPOTHETICAL: NO

(A) ORGANISM: HOMO SAPIENS

Gln Ser Gly Thr Met Arg Thr Arg His Ser Thr Gly Gly Thr Asn  
1 5 10 15

(D) ~~TOPOLOGY~~: linear

(A) ORGANISM: HERPES SIMPLEX

Phe Arg Gln Leu Val His Phe Val Arg Asp Phe Ala Gln Leu Leu  
1 5 10 15

(D) TOPOLOGY: linear

(v) FRAGMENT TYPE: internal

[illegible]

## (vi) ORIGINAL SOURCE:

(A) ORGANISM: ADENOVIRUS TYPE 12

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

Asp Phe Glu Val Val Thr Phe Leu Lys Asp Val Leu Pro Glu Phe  
1 5 10 15

## (2) INFORMATION FOR SEQ ID NO:10:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 15 amino acids
- (B) TYPE: amino acid
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(iii) HYPOTHETICAL: NO

(v) FRAGMENT TYPE: internal

## (vi) ORIGINAL SOURCE:

(A) ORGANISM: PSEUDOMONAS AERUGINOSA

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

Asp Arg Leu Leu Met Leu Phe Ala Lys Asp Val Val Ser Arg Asn  
1 5 10 15

## (2) INFORMATION FOR SEQ ID NO:11:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 15 amino acids
- (B) TYPE: amino acid
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(iii) HYPOTHETICAL: NO

(v) FRAGMENT TYPE: internal

## (vi) ORIGINAL SOURCE:

(A) ORGANISM: HUMAN PAPILLOMAVIRUS TYPE 7

0091620 02916580

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## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:

Ile Gly Gly Arg Val His Phe Phe Lys Asp Ile Ser Pro Ile Ala  
1 5 10 15

## (2) INFORMATION FOR SEQ ID NO:12:

## (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 15 amino acids

(B) TYPE: amino acid

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(iii) HYPOTHETICAL: NO

(v) FRAGMENT TYPE: internal

(vi) ORIGINAL SOURCE:

(A) ORGANISM: EPSTEIN-BARR VIRUS

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:

Thr Gly Gly Val Tyr His Phe Val Lys Lys His Val His Glu Ser  
1 5 10 15

## (2) INFORMATION FOR SEQ ID NO:13:

## (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 15 amino acids

(B) TYPE: amino acid

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(iii) HYPOTHETICAL: NO

(v) FRAGMENT TYPE: internal

(vi) ORIGINAL SOURCE:

(A) ORGANISM: INFLUENZA VIRUS TYPE A

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:

Tyr Arg Asn Leu Val Trp Phe Ile Lys Lys Asn Thr Arg Tyr Pro  
1 5 10 15

(2) INFORMATION FOR SEQ ID NO:14:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 15 amino acids

(B) TYPE: amino acid

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(iii) HYPOTHETICAL: NO

(v) FRAGMENT TYPE: internal

(vi) ORIGINAL SOURCE:

(A) ORGANISM: REOVIRUS TYPE 3

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:

Met Ala Arg Ala Ala Phe Leu Phe Lys Thr Val Gly Phe Gly Gly  
1 5 10 15

(2) INFORMATION FOR SEQ ID NO:15:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 15 amino acids

(B) TYPE: amino acid

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(iii) HYPOTHETICAL: NO

(v) FRAGMENT TYPE: internal

(vi) ORIGINAL SOURCE:

(A) ORGANISM: HERPES SIMPLEX VIRUS

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:15:

Gly Gly Arg Arg Leu Phe Phe Val Lys Ala His Val Arg Glu Ser  
1 5 10 15

(2) INFORMATION FOR SEQ ID NO:16:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 15 amino acids

(B) TYPE: amino acid

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(iii) HYPOTHETICAL: NO

(v) FRAGMENT TYPE: internal

(vi) ORIGINAL SOURCE:

(A) ORGANISM: HOMO SAPIENS

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:16:

Glu Asn Pro Val Val His Phe Phe Lys Asn Ile Val Thr Pro Arg  
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